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Relevance scale ☐ ☐ ☐ ☐ ☐1 [Temporal locality in Web request streams \(poster session\) \(extended abstract\):](#)[sources, characteristics, and caching implications](#)

Shudong Jin, Azer Bestavros

 June 2000 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 2000 ACM SIGMETRICS international conference on Measurement and modeling of computer systems SIGMETRICS '00**, Volume 28 Issue 1

Publisher: ACM Press

Full text available: [pdf\(175.32 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)2 [Design of a digital library for human movement](#)

Jezekiel Ben-Arie, Purvin Pandit, ShyamSundar Rajaram

 January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

 Full text available: [pdf\(361.37 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper is focused on a central aspect in the design of our planned digital library for human movement, i.e. on the aspect of representation and recognition of human activity from video data. The method of representation is important since it has a major impact on the design of all the other building blocks of our system such as the user interface/query block or the activity recognition/storage block. In this paper we evaluate a representation method for human movement that is based on ...

**Keywords:** human activity recognition, multi dimensional indexing, sequence recognition, temporal correlation

3 [Replacement policies for a proxy cache](#)

Luigi Rizzo, Lorenzo Vicisano

 April 2000 **IEEE/ACM Transactions on Networking (TON)**, Volume 8 Issue 2

Publisher: IEEE Press

Full text available: [pdf\(277.42 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** Web, caching, communication networks, policies, replacement

#### 4 Supporting valid-time indeterminacy



Curtis E. Dyreson, Richard Thomas Snodgrass

March 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 1

**Publisher:** ACM Press

Full text available: pdf(516.09 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In valid-time indeterminacy it is known that an event stored in a database did in fact occur, but it is not known exactly when. In this paper we extend the SQL data model and query language to support valid-time indeterminacy. We represent the occurrence time of an event with a set of possible instants, delimiting when the event might have occurred, and a probability distribution over that set. We also describe query language constructs to retrieve informat ...

**Keywords:** SQL, TSQL2, incomplete information, indeterminacy, probabilistic information, temporal database, valid-time database

#### 5 Internet Web servers: workload characterization and performance implications



Martin F. Arlitt, Carey L. Williamson

October 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 5

**Publisher:** IEEE Press

Full text available: pdf(216.86 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

**Keywords:** World-Wide Web, caching, performance evaluation, workload characterization

#### 6 The temporal structure of cooperative activity



Stephen Reder, Robert G. Schwab

September 1990 **Proceedings of the 1990 ACM conference on Computer-supported cooperative work**

**Publisher:** ACM Press

Full text available: pdf(1.52 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

#### 7 A consensus glossary of temporal database concepts



Curtis Dyreson, Fabio Grandi, Wolfgang Käfer, Nick Kline, Nikos Lorentzos, Yannis Mitsopoulos, Angelo Montanari, Daniel Nonen, Elisa Peressi, Barbara Pernici, John F. Roddick, Nandlal L. Sarda, Maria Rita Scalas, Arie Segev, Richard Thomas Snodgrass, Mike D. Soo, Abdullah Tansel, Paolo Tiberio, Gio Wiederhold  
March 1994 **ACM SIGMOD Record**, Volume 23 Issue 1

**Publisher:** ACM Press


Full text available: pdf(1.42 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This document contains definitions of a wide range of concepts specific to and widely used within temporal databases. In addition to providing definitions, the document also includes separate explanations of many of the defined concepts. Two sets of criteria are included. First, all included concepts were required to satisfy four relevance criteria, and, second, the naming of the concepts was resolved using a set of evaluation criteria. The

concepts are grouped into three categories: concepts of ...

### 8 Visualizing the evolution of Web ecologies



 Ed H. Chi, James Pitkow, Jock Mackinlay, Peter Piroli, Rich Gossweiler, Stuart K. Card  
January 1998 **Proceedings of the SIGCHI conference on Human factors in computing systems**

**Publisher:** ACM Press/Addison-Wesley Publishing Co.

Full text available:  [pdf\(995.44 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** World Wide Web, documents, hypertext, information ecologies, log file analysis, temporal analysis, visualization

### 9 Generating presentation constraints from rhetorical structure



 Lloyd Rutledge, Brian Bailey, Jacco van Ossenbruggen, Lynda Hardman, Joost Geurts  
May 2000 **Proceedings of the eleventh ACM on Hypertext and hypermedia**

**Publisher:** ACM Press

Full text available:  [pdf\(233.19 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** authoring, constraints, meta-structure, presentation generation, rhetorics

### 10 NASA workshop on issues in the application of data mining to scientific data



 Jeanne Behnke, Elaine Dobinson  
June 2000 **ACM SIGKDD Explorations Newsletter**, Volume 2 Issue 1


**Publisher:** ACM Press

Full text available:  [pdf\(1.08 MB\)](#) Additional Information: [full citation](#), [index terms](#)

**Keywords:** NASA, data mining, earth science, statistics

### 11 Special issue on knowledge representation



 Ronald J. Brachman, Brian C. Smith  
February 1980 **ACM SIGART Bulletin**, Issue 70


**Publisher:** ACM Press

Full text available:  [pdf\(13.13 MB\)](#) Additional Information: [full citation](#), [abstract](#)

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were two useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Second ...


### 12 Negotiation for automated generation of temporal multimedia presentations



 Mukesh Dalal, Steven Feiner, Kathleen McKeown, Shimei Pan, Michelle Zhou, Tobias Höllerer, James Shaw, Yong Feng, Jeanne Fromer  
February 1997 **Proceedings of the fourth ACM international conference on Multimedia**

**Publisher:** ACM Press

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
 [pdf\(1.38 MB\)](#)[full citation, references, citings, index terms](#)

**Keywords:** knowledge-based graphics generation, media coordination, natural language generation, speech

### 13 [Selected IR-Related Dissertation Abstracts](#)

 February 1992 **ACM SIGIR Forum**, Volume 26 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(2.24 MB\)](#) Additional Information: [full citation](#)

### 14 [Selected IR-Related Dissertation Abstracts](#)


 March 1993 **ACM SIGIR Forum**, Volume 27 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(2.24 MB\)](#) Additional Information: [full citation](#), [abstract](#)

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### 15 [Data modeling of time-based media](#)

 Simon Gibbs, Christian Breiteneder, Dennis Tsichritzis

May 1994 **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD international conference on Management of data SIGMOD '94**, Volume 23 Issue 2

**Publisher:** ACM Press

Full text available:  [pdf\(1.32 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many aspects of time-based media—complex data encoding, compression, “quality factors,” timing—appear problematic from a data modeling standpoint. This paper proposes timed streams as the basic abstraction for modeling time-based media. Several media-independent structuring mechanisms are introduced and a data model is presented which, rather than leaving the interpretation of multimedia data to applications, addresses the complex organization and re ...

### 16 [View management in multimedia databases](#)

K. Selçuk Candan, Eric Lemar, V. S. Subrahmanian

July 2000 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 9 Issue 2

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  [pdf\(322.82 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Though there has been extensive work on multimedia databases in the last few years, there is no prevailing notion of a multimedia view, nor there are techniques to create, manage, and maintain such views. Visualizing the results of a dynamic multimedia query or materializing a dynamic multimedia view corresponds to assembling and delivering an interactive multimedia presentation in accordance with the visualization specifications. In this paper, we suggest that a non-interactive multimedia prese ...

**Keywords:** Interactivity, Multimedia databases, Prefetching, Result

visualization/presentation, View management

17 DIVA: exploratory data analysis with multimedia streams



Wendy E. Mackay, Michel Beaudouin-Lafon

January 1998 **Proceedings of the SIGCHI conference on Human factors in computing systems**

**Publisher:** ACM Press/Addison-Wesley Publishing Co.

Full text available: [pdf\(1.06 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** exploratory data analysis, hypermedia, multimedia, protocol analysis, stream algebra, streams, video

18 The content and access dynamics of a busy Web site: findings and implications



Venkata N. Padmanabhan, Lili Qiu

August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication SIGCOMM '00**, Volume 30 Issue 4

**Publisher:** ACM Press

Full text available: [pdf\(820.58 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, we study the dynamics of the MSNBC news site, one of the busiest Web sites in the Internet today. Unlike many other efforts that have analyzed client accesses as seen by proxies, we focus on the server end. We analyze the dynamics of both the server content and client accesses made to the server. The former considers the content creation and modification process while the latter considers page popularity and locality in client accesses. Some of our key results are: (a) files ...

19 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

**Publisher:** IBM Press

Full text available: [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

20 Timewarp: techniques for autonomous collaboration



W. Keith Edwards, Elizabeth D. Mynatt

March 1997 **Proceedings of the SIGCHI conference on Human factors in computing systems**

**Publisher:** ACM Press

Full text available: [pdf\(1.08 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** autonomous collaboration, awareness, computer-supported cooperative work, conflict detection and resolution, timewarp

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